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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,242	04/01/2004	James Freddo	PC25581A	9207
28940 PFIZER INC	7590 04/11/2007		EXAMINER	
	E.CENTER DRIVE	•	GEMBEH, SHIRLEY V	SHIRLEY V
SAN DIEGO, CA 92121			ART UNIT	PAPER NUMBER
			1614	
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MC	ONTHS	04/11/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)
	10/816,242	FREDDO ET AL.
Office Action Summary	Examiner	Art Unit
	Shirley V. Gembeh	1614
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet wit	h the correspondence address
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perions are to reply within the set or extended period for reply will, by stated Any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC 1.136(a). In no event, however, may a re od will apply and will expire SIX (6) MONT tute, cause the application to become ABA	ATION. Day be timely filed HS from the mailing date of this communication. INDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 24 2a) This action is FINAL. 2b) This action is FINAL. 2b) This action is application is in condition for allow closed in accordance with the practice under the condition of the condition is in condition.	his action is non-final. vance except for formal matte	·
Disposition of Claims		
4) Claim(s) 8-16,32-41,46 and 49-51 is/are per 4a) Of the above claim(s) is/are withd 5) Claim(s) is/are allowed. 6) Claim(s) 8-16,32-41, 46 and 49-51 is/are rej 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and Application Papers 9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) and applicant may not request that any objection to the Replacement drawing sheet(s) including the correctable.	rawn from consideration. ected. d/or election requirement. iner. ccepted or b) objected to be the drawing(s) be held in abeyand ection is required if the drawing(s)	e. See 37 CFR 1.85(a). i) is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the	Examiner. Note the attached	Office Action of form PTO-152.
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a light	ents have been received. ents have been received in Apriority documents have been reau (PCT Rule 17.2(a)).	plication No eceived in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date	Paper No(s)	immary (PTO-413) /Mail Date ormal Patent Application (PTO-152) -

Art Unit: 1614

DETAILED ACTION

The response filed **1/24/07** presents remarks and arguments to the office action mailed **11/03/06**. Applicants' request for reconsideration of the rejection of claims in the last office action has been considered.

Applicants' arguments, filed, have been fully considered but they are not deemed to be persuasive. Rejections and/or objections not reiterated from previous office actions are hereby withdrawn. The following rejections and/or objections are either reiterated or newly applied. They constitute the complete set presently being applied to the instant application.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Status of Claims

Claims 8-16, 32-41, 46 and 49-51 are pending in this office action.

Claims 49-51 are newly added.

References

The new references submitted with the remarks have been received, considered and is acknowledged and the rejections are made in light of the said references.

Maintained Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Art Unit: 1614

Claims 32-41 remain rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for treating lung cancer cells and or human umbilical vein endothelial cells, does not reasonably provide enablement for treating a wide variation of cancer. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention commensurate in scope with these claims.

Although applicant has amended the claim of abnormal cell growth, there still remain the question of treating cancer which is very broad.

Applicant traverses that the Examiner concludes that in the absence of a correlation between at least some of the disease states claimed as being capable of being treated by the compound of formula I, one of skill in the art would be unable to predict the possible results and that the present claims are not directed to methods of treating cancer using a specific dosage amount to treat cancer and that claims to the treatment of a wide variety of cancers using the specific compound shown in formula I is supported by the specification. In particular, the compound of formula I is noted to be an inhibitor of vascular endothelial cell growth factor receptor (VEGF-R) and of platelet-derived growth factor receptor-13 (PDGFR-13), both of which are targets recognized in the art to be related to angiogenesis and tumor growth (see Bergers, J. Clin. Invest. 111:1287-1295 (2003)- Exhibit 1). Abnormal angiogenesis is a recognized hallmark of several disease states, such as retinopathies, psoriasis, rheumatoid arthritis, age-

Art Unit: 1614

related macular degeneration, and cancer (see Folkman, Nature Med. 1:27-31 (1995) - Exhibit 1).

In response, Applicant has not shown how this compound, a single compound of formula I is capable of treating a wide variation of cancer. Although Applicant asserts that the use of anti-angiogenic agents to treat a variety of disease states that rely on angiogenesis is a common strategy in the pharmaceutical arts (see Senger, Am. J. Pathol. 149:1-7 (1996) - Exhibit 1). It is also true that no one drug has been used successfully in the treatment of a wide variation of cancers. The office is aware of the term angiogenesis however, the tumor proliferation is more complex and unpredictable, because of the complex cellular and molecular mechanisms that regulate vessel development in tumors. Angiogenesis can be stopped by a) blocking initial signal from the tumor, b) making initial signal from the tumor less effective, c) stopping the enzyme pathway, d) normalizing mangled blood vessels and e) preventing the switch from turning on. Clearly this one drug does not have the capability of doing performing all of these functions in every cancer. The term treating cancer is very broad. The argument to angiogenesis is not considered, the claims are to treating cancer, no where is there mentioned the term angiogenesis. Specific drugs are known to treat specific cancers. For example Erbitux for the treatment of colon and head and neck cancers, gefitunib for lung cancer. (see enclosed article

www.mayoclinic.com/health/angiogenesis/CA00079.

As to the affidavit for example (pp. 16-39) from an internal report summarizing preclinical studies of axitinib indicate that this compound showed significant tumor growth

Art Unit: 1614

inhibition in several xenograft mouse models of a variety of cancers, including colon (see pp. 16-21), breast (see pp. 21-24), lung (see pp. 25-28), melanoma (see pp. 28-32), renal cell carcinoma (see pp. 32-33), glioblastoma (see pp. 33-36), and non-Hodkin's lymphoma (see pp. 36-38), Applicant should bear in mind that these are preclinical testing a step towards treatment in human, and these findings may or may not be successful in humans.

Argument unpersuasive and rejection is maintained.

In other for the rejection to be withdrawn, specific types of cancers should be cited to limit the scope of the rejected claims.

Claim Rejections - 35 USC. § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 8-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Kania et al. WO 2001/02369 now a US Patent 6,531,491.

Applicant argues that the cited reference does not teach the claimed dosage forms as recited in the claims and that the claims recite from about 0.001-50 mg/kg.

Art Unit: 1614

This argument is traversed. The mere fact that the claims gave the range of dosage clearly indicates that any range within that is capable of been use.

For example for the limitation of instant claim 8, no more than 30 mg, if the patient weighs 70 kg and 0.4 mg per kg is administered it will give 38 mg which is well within the claim limitation and subsequently the ranges can be regulated to fall within the claim limitation of 8-14. The cited rages are anticipated in the references.

Claims 32-41 and 46 rejected under 35 U.S.C. 102(b) as being anticipated by Kania et al. WO 2001/02369 now a US Patent 6,531,491.

Applicant argues that Kania refers to methods of using the compounds disclosed therein for treating various types of cancer. As discussed above, however, this disclosure is provided in a very generic sense with reference to all of the compounds in Kania, and is not specifically directed to the compound of formula I. Furthermore, Kania does not disclose the use of the specific compound of formula I for treating cancer using the specific dosage amounts as recited in the present claims.

In response, this is found un persuasive, the reference teaches the Indazole compounds and pharmaceutical compositions for inhibiting protein kinases, and methods for their use. The compounds of formula IV in the Kanias' reference includes the formula I (see col. 8, lines 35-65). And with regards to the dosage, Kania teaches such as already discussed above, and since for claim 32, is not specify the type of cancer that is required for the dosage ranges, it is anticipated that the reference teaches example claim 32 reads on any variation of cancer cell is anticipated.

Claim Rejections - 35 USC § 103

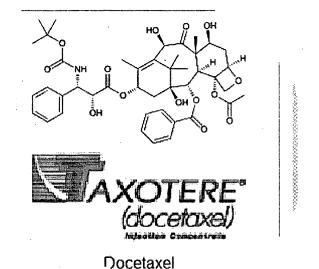
Art Unit: 1614

Claims 32-41 and 46 remain rejected under 35 U.S.C. 103(a) as being unpatentable over Kania et al. WO 2001/02369 now a US Patent 6,531,491.

Examiner has excluded the Sweeney reference as the claims pertaining such have been cancelled and no longer exist.

Applicant argues that no specific teaching is taught with regards to the dosage forms. Kania specifically teaches the dosage forms that optimal dosage for given set of conditions can be ascertained by those skilled in the art (see col. 21, lines 25-30). In response, with regards to adjuvant therapy, this is not novel, Goodman and Gilman teach that anti cancer drugs can be combined with antineoplastic drugs. Wherein Goodman and Gilman teach adjuvant chemotherapy (see page 1225 and 1230) therefore one of ordinary skill in the art would have been motivated to add an antineoplastic drug to the compound formula I for treatment of cancer. Despite such disclosure or teaching, the Kania reference teaches that he inventive compounds may be used advantageously in combination with other known therapeutic agents. For example, compounds of Formula I, II, III, or IV which possess antiangiogenic activity may be co-administered with cytotoxic chemotherapeutic agents, such as taxotere

Art Unit: 1614



which is the registered name for docetaxel (

(see col.13, lines 6-15). Therefor nothing unobvious is seen in using the kanias' reference to arrive at the claim invention. As to claim 46, the Kania reference teaches lung cancer (see col. 275, lines 52-53).

Applicant's arguments filed have been fully considered but they are not persuasive.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory

Art Unit: 1614

double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 8-16, 32-41, 46 and 49-51 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim **1 - 11** of U.S. Patent **7141581**. Although the conflicting claims are not identical, they are not patentably distinct from each other. The reasons are as follows:

Both applications recite using the same compositions and/or derivatives thereof. See current application claims 8-16, 32-41, 46 and 49-51 and copending application claims 1 – 11. The compositions recited in the claims are anticipatory of each other for the treatment of various types of cancers.

In view of the foregoing, the copending application claims and the current application claims are obvious variations.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shirley V. Gembeh whose telephone number is 571-272-8504. The examiner can normally be reached on 8:30 -5:00, Monday- Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin Marschel can be reached on 571-272-0718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1614

Page 10

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SVG 3/27/07 ARDIN H. MARSCHEL
SUPERVISORY PATENT EXAMINER